

☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

(d) ☐ This Information Disclosure Statement is being filed on or before the payment of the issue fee; and

☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

☐ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. **19-0395**, Patent Case No. **OC01619K**. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
SCHERING-PLOUGH CORPORATION

Dated: 12/11/2003
SCHERING-PLOUGH CORPORATION
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By:



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

_____ X	
Applicant(s): Timothy J. Guzi et al.	: Group Art Unit:
Serial No.: 10/654,168	: Examiner:
Filed: 09/03/2003	: Attorney Docket No. : OC01619K
For: "Novel Pyrazolopyrimidines as Cyclin Dependent Kinase Inhibitors"	: _____
_____ X	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references ☒ are attached ☐ were filed in related application U.S. Serial No(s) _____ filed _____, respectively.

(b) No fee is believed due because:

- ☐ This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ This Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☐ This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- ☒ This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

- (c) ☐ This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and
- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
 - ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or



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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/654,168	
	Filing Date	09/03/2003
	First Named Inventor	Timothy J. Guzi et al.
	Art Unit	
	Examiner Name	
Attorney Docket Number	OC01619K	
Total Number of Pages in This Submission	6	

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Cert. of Mailing (1pg.); PTO-1449 (1pg. in dup);
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	References (24) ; Post Card
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Palaiyur S. Kalyanaraman, Reg. No. 34,634
Signature	
Date	12/11/2003

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____			
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Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Application No.: 10/654,168

Filing Date: 09/03/2003

Applicant: Timothy J. Guzi et al.

Title: NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS

Certificate of Mailing under 37 CFR 1.8

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Signature

Palaiyur S Kalyanaraman, Reg. No. 34,634

Typed or printed name of person signing Certificate

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Documents enclosed:

Response Transmittal (PTO/SB/21) - 1pg.

Information Disclosure Statement - 2pgs.

PTO-144 Form - 1pg. (in duplicate)

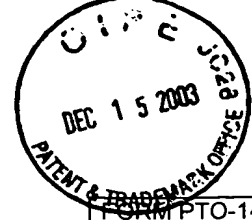
References (24)

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: OC01619K	APPLICATION NO.: 10/654,168
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT: Tim thy J. Guzi et al.	
		FILING DATE: 09/03/2003	GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA	US 5,571,813	11/05/1996	Rühter et al.			
	AB	US 5,602,136	02/11/1997	Rühter et al.			
	AC	US 5,602,137	02/11/1997	Rühter et al.			
	AD	US 5,688,949	11/18/1997	Inoue et al.			
	AE	US 5,707,997	01/13/1998	Shoji et al.			
	AF	US 5,919,815	07/06/1999	Bradley et al.			
	AG	US 6,040,321	03/21/2000	Kim et al.			
	AH	US 6,191,131	02/20/2001	He et al.			
	AI	US 6,262,096	07/17/2001	Kim et al.			
	AJ	US 6,413,974	07/02/2002	Dumont et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	AK	EP 0 628 559	04/03/2002	Europe				
	AL	EP 1 334 973	08/13/2003	Europe				
	AM	WO 02/40485	05/23/2002	PCT				
	AN	WO 02/50079	06/27/2002	PCT				
	AO	WO 95/35298	12/28/1995	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Vesely et al., "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), 224 : 771-786.
AQ	Kim et al., "Discovery of Amino-thiazole Inhibitors of Cyclin-Dependent Kinase 2: Synthesis, X-ray Crystallographic Analysis, and Biological Activities", <i>Journal of Medical Chemistry</i> , Page EST:22.3, A-W.
AR	Mettey et al., "Aloisines, a New Family of CDK/GSK-3 Inhibitors. SAR Study, Crystal Structure in Complex with CDK2, Enzyme Selectivity, and Cellular Effects", <i>J. Med. Chem.</i> (2003), 46 (2): 222-236.
AS	Novinson et al., "Synthesis and Antifungal Properties of Certain 7-Alkylaminopyrazolo[1,5- α]pyrimidines", <i>J. Med. Chem.</i> (1977), 20 (2): 296-299.
AT	Senderowicz et al., "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients with Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), 16 (9): 2986-2999.
AU	Meijer et al., "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), 243 :527-536.
AV	Bible et al., "Cytotoxic Synergy Between Flavopiridol (NSC 649890, L86-8275) and Various Antineoplastic Agents: The Importance of Sequence of Administration", <i>Cancer Research</i> (August 15, 1997), 57 : 3375-3380.
AW	Shiota et al., "Synthesis and Structure-Activity Relationship of a New Series of Potent Angiotensin II Receptor Antagonists: Pyrazolo[1,5- α]pyrimidine Derivatives", <i>Chem. Pharm. Bull.</i> (1999), 47 (7): 928-938.
AX	Yasuo Makisumi, "Studies on the Azaindolizine Compounds. XI. Synthesis of 6,7-Disubstituted Pyrazolo[1,5- α]pyrimidines.", <i>Chem. Pharm. Bull.</i> (1962), 10 : 620-626.

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.